

(19) Europäisches Patentamt

European Patent Office

Office européen des brevets



(11) EP 0 804 936 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
11.02.1998 Bulletin 1998/07

(51) Int Cl. 6: A61M 25/00

(43) Date of publication A2:
05.11.1997 Bulletin 1997/45

(21) Application number: 97302755.0

(22) Date of filing: 22.04.1997

(84) Designated Contracting States:
DE FR IT

- Rothbarth, Leo
Englewood, CO 80111 (US)
- Miller, Frank J.
Salt Like City, UT 84124 (US)
- John, David St.
Bloomington, IN 47408 (US)

(30) Priority: 02.05.1996 US 640543

(71) Applicant: Cook Incorporated
Bloomington Indiana 47402 (US)

(72) Inventors:

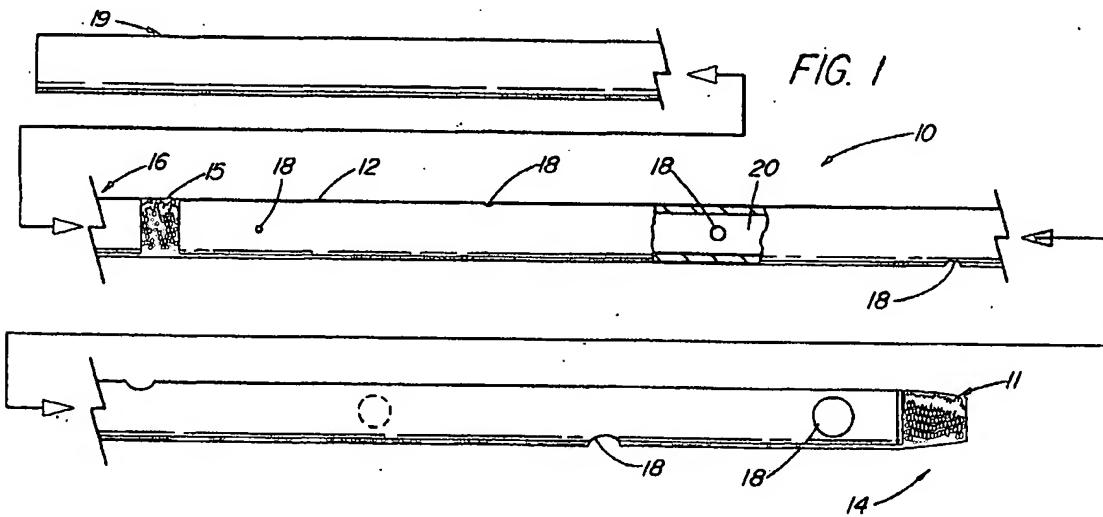
- Ely, Joseph F.
West Lafayette, IN 47906 (US)

(74) Representative: Johnston, Kenneth Graham
5 Mornington Road
Woodford Green Essex, IG8 OTU (GB)

(54) A medical device for fluid delivery

(57) A method for predetermining the controlled and uniform discharge rate of a fluid from a single lumen tubular body having passageways radially extending through the wall of the tubular body has been developed and is described. The method involves predetermining such parameters as the transverse cross-sectional areas of the passageways extending through the wall of the tubular body, the spacing of the passageways, the pressure at each of the passageways, and the rate of flow

at each of the passageways. One specific preferred application of such a tubular body is an infusion catheter for delivering various fluids to designated areas of the body for either a therapeutic treatment and/or diagnostic purposes. For example, such a catheter may be adapted to deliver controlled and uniform quantities of thrombolytic agents, chemotherapeutic agents as well as such diagnostic agents as fluorescent dyes and radioactive agents.



EP 0 804 936 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 97 30 2755

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	WO 94 07549 A (TARGET THERAPEUTICS INC) * page 6, line 6 - line 28; figures *	1-9	A61M25/00
X	US 4 173 981 A (MORTENSEN) * column 3, line 48 - column 4, line 13; figures *	1-9	
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	17 December 1997	Clarkson, P	
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
<small>EPO FORM 1503.03.82 (PacCoI)</small>			